package Program03;

import java.io.File;

import java.io.FileNotFoundException;

import java.text.NumberFormat;

import java.util.Locale;

import java.util.Scanner;

public class Main {

    public static void main(String[] args) throws FileNotFoundException {

        File file = new File("Salary.txt");

        read(file);

    }

    public static void read(File file) throws FileNotFoundException{

        NumberFormat localeFormat = NumberFormat.getInstance(new Locale("en","US"));

        Scanner reader = new Scanner(file);

        double assistantSalary = 0;

        double associateSalary = 0;

        double fullSalary = 0;

        int count1 = 0;

        int count2 = 0;

        int count3 = 0;

        while(reader.hasNextLine()){

            for(int i = 1 ; i <= 4 ; i++){

                if(reader.hasNext()){

                    String rank = reader.next();

                    if(rank.equals("assistant")){

                        assistantSalary += reader.nextDouble();

                        count1++;

                    }else if(rank.equals("associate")){

                        associateSalary += reader.nextDouble();

                        count2++;

                    }else if(rank.equals("full")){

                        fullSalary += reader.nextDouble();

                        count3++;

                    }

                }

            }

        }

        double allSalary = assistantSalary + associateSalary + fullSalary;

        double assistantAv = assistantSalary/count1;

        double associateAv = associateSalary/count2;

        double fullAv = fullSalary/count3;

        double allAv = allSalary/(count1+count2+count3);

        System.out.printf("Total salary for assistant professor is %s \n",localeFormat.format(assistantSalary));

        System.out.printf("Total salary for associate professor is %s \n",localeFormat.format(associateSalary));

        System.out.printf("Total salary for full professor is %s \n",localeFormat.format(fullSalary));

        System.out.printf("Total salary for all professor is %s \n",localeFormat.format(allSalary));

        System.out.println("--------------------------------------------------");

        System.out.printf("Average salary for assistant professor is %s \n",localeFormat.format(assistantAv));

        System.out.printf("Average salary for associate professor is %s \n",localeFormat.format(associateAv));

        System.out.printf("Average salary for full professor is %s \n",localeFormat.format(fullAv));

        System.out.printf("Average salary for all professor is %s \n",localeFormat.format(allAv));

        reader.close();

    }

}